



Guangyang Secondary School
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Semestral Plan for Sec 4 Express Additional Mathematics 2023

The document captures the curriculum and assessment plan for Sec 4 Express (Additional Mathematics) for the year.

1 Curriculum Plan

Tentative Week	Topics to cover
Term 1 Week 1	Chapter 10.2– Trigonometric Functions
Term 1 Week 2 – 5	Chapter 11 – Trigonometric Identities and Equations
Term 1 Week 6	Chapter 9 – Applications of Straight Line Graphs
Term 1 Week 7 – 8	Chapter 12 – Differentiation
Term 1 Week 8	Weighted Assessment 1 (WA1)
Term 1 Week 8 – 10	Chapter 13 – Tangents, Normal and Rates of Change
Term 1 Week 10	Wealth Week
11 March to 19 March	March Holidays
Term 2 Week 1	Chapter 14 – Maxima and Minima
Term 2 Week 2 – 3	Chapter 15 – Differentiation of Trigonometric, Exponential and Logarithmic Functions
Term 2 Week 4 – 5	Chapter 16 – Integration
Term 2 Week 6 – 7	Chapter 17 – Applications of Integration
Term 2 Week 6	Weighted Assessment 2 (WA2)
Term 3 Week 8 – 9	Chapter 18 – Kinematics
Term 2 Week 10	Mother Tongue Intensive Coaching
27 May to 25 June	June Holidays
June Holidays Week 4	June Supplementary
Term 3 Week 1 – 2	Chapter 19 – Plane Geometry
Term 3 Week 2	Timed Practice
Term 3 Week 2 – 8	Revision
Term 3 Week 9 – 10	Preliminary Examination
2 September to 10 September	September Holidays
Term 4 Week 1	Preliminary Examination
Term 4 Week 2 – 5	Revision

Syllabus for GCE O Level Mathematics (Subject code: 4049) can be retrieved from SEAB website: https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/4049_y23_sy.pdf

2 Assessment Plan

WA1: 15%

WA2: 15%

Preliminary Exam: 70%

Assessment Components	Tentative Date	Topics covered
WA 1	Term 1 Week 8	Chapter 9 to 11
WA 2	Term 2 Week 6	Chapter 12 to 16
Preliminary Exam	Term 3 Week 9 – 10	All Sec 3 & 4 topics

Preliminary Exam Format

Paper	Weightage	Duration	Remarks
Paper 1	50%	2 h 15 min	<ul style="list-style-type: none">• All topics• 2 h 15 min• 90 marks• There will be 12 – 14 questions of varying marks and lengths, up to 10 marks per question.• Spaces will be provided in each question paper for working and answers.
Paper 2	50%	2 h 15 min	<ul style="list-style-type: none">• All topics• 2 h 15 min• 90 marks• There will be 9 – 11 questions of varying marks and lengths, up to 12 marks per question.• Spaces will be provided in each question paper for working and answers.

3 Absence from tests

- (a) Medical certificates must be produced if student is absent for the test.
- (b) Parent's letter is strongly discouraged and its validity will be approved based on a case-by-case basis.
- (c) Absence from any test without a valid reason will result in zero mark for the test.
- (d) Do note that student will have to do a make-up test on the day he/she returns to school.

With this information, we hope all students will better prepare themselves for the heavy academic demands this year.

Do feel free to contact the respective mathematics teachers should further clarification be needed on this matter.

4E1: Mrs Ling-Seet Soo Huay

4E2: Mrs Lee – Tan Yue Yun